Calibration Report: Digital Inclinometer
s/n 60760005
ECN: AO12871

27 January 1998

Bryan Fabbri
Analytical Services & Materials, Inc.
Hampton, Virginia

SUMMARY

Calibration date: 27 January 1998. Next calibration due: 27 January 2000.

A collection, analysis and calibration of data from a Digital Inclinometer, s/n 60760005, has been completed. The calibration was performed by the calibration laboratory, Wyle Laboratories. These data were collected by Wyle Laboratories on 27 Jan 1998.

Model : DP60
Serial Number : 60760005

The test data presented in data table format show the measured error before calibration. The test readings compared to the dividing head angle show several readings out of tolerance, (as indicated by an asterisk). The report states the data in the data table meet all tolerances post calibration.

Application:

Add corrections to measurements per post calibration table.

NASA-LRC EXPERIMENTAL TESTING TECHNOLOGY DIVISION
REPORT OF CALIBRATION-WYLE LABORATORIES

Sheet 1 of 1

MFR LUCAS MODEL DP60 S/N 60760005 ECN A012871

DATE 01/27/98 CAL BY 7973 APP BY RF

PRE-CALIBRATION: AS RECEIVED

DIVIDING HEAD ANGLE	TEST READING	ERROR	DIVIDING HEAD ANGLE	TEST READING	ERROR	DIVIDING HEAD ANGLE	TEST READING	ERROR
Deg	Deg	Deg	Deg	Deg	Deg	Deg	Deg	Deg
59.00	59.3	0.3	3.000	2.98	-0.02	-20.00	-20.1	-0.1
50.00	50.2	0.2 *	1.000	0.96	-0.04	-30.00	-30.2	-0.2 *
40.00	40.2	0.2 *	0.000	-0.04	-0.04	-40.00	-40.3	-0.3 *
30.00	30.1	0.1	-1.000	-1.04	-0.04	-50.00	-50.3	-0.3 *
20.00	20.1	0.1	-3.000	-3.04	-0.04	-59.00	-59.4	-0.4 *
10.000	10.03	0.03	-5.000	-5.06	-0.06 *			
5.000	5.00	0	-10.000	-10.08	-0.08 *			

POST CALIBRATION: After performing the self-calibration test. (Not needed if received in spec.)

59.00	59.0	0	3.000	3.00	0	-20.00	-20.0	0
50.00	50.0	0	1.000	0.99	-0.01	-30.00	-30.0	0
40.00	40.0	0	0.000	-0.01	-0.01	-40.00	-40.0	0
30.00	30.0	0	-1.000	-1.00	0	-50.00	-50.0	0
20.00	20.0	0	-3.000	-3.01	-0.01	-59.00	-59.1	-0.1
10.000	10.00	0	-5.000	-5.01	-0.01			
5.000	5.00	0	-10.000	-10.00	0			

* MFR's TOLERANCE - 0 to ± 10 deg = ± .05 deg ± 20 to ± 50 deg = ± .1 deg ± 60 deg = ± .3 deg